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Customer Number 28960

MAIL STOP NEW PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attorney Docket No.: COOL-00800

16834 U.S. PTO  
10/698180

103003

**NEW APPLICATION TRANSMITTAL**

Sir:

Transmitted herewith for filing is the patent application of Inventor: Girish Upadhyaya et al.

Title: **OPTIMAL SPREADER SYSTEM, DEVICE AND METHOD FOR FLUID COOLED MICRO-SCALED HEAT EXCHANGE**

**CERTIFICATION UNDER 37 CFR § 1.10**

I hereby certify that this New Application and the documents referred to as enclosed herein are being deposited with the United States Postal Service on this date, October 30, 2003, in an envelope bearing "Express Mail Post Office To Addressee" Mailing Label Number EL993345862US addressed to: PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Francis Guerra  
(Name of Person Mailing Paper)

  
Signature

Enclosed are:

1. The papers required for filing date under CFR § 1.53(b):

32 Pages of Specification (including claims);  3 Sheet(s) of Drawings.  
 X Declaration or Oath (combined with Power of Attorney)  
 X Power of Attorney (combined with Declaration)  
 X Assignment of the Invention to Cooligy, Inc. (including Form PTO-1595).

5. Fee Calculation

Amendment changing number of claims or deleting multiple dependencies is enclosed.

**CLAIMS AS FILED**

	Number Filed	Number Extra	Rate	Basic Fee
				\$770.00
Total Claims	109 - 20 =	89	\$18.00	1,602.00
Independent Claims	4 - 3 =	1	\$86.00	86.00
Multiple Dependent claim(s), if any			\$290.00	
Filing Fee Calculation				\$2,458.00

6.  Applicants are entitled to small entity status

50% Filing Fee Reduction (if applicable) \$1,229.00

7. Other Fees

Assignment Recordation Fee 40.00  
 Other 0.00

**TOTAL FEES ENCLOSED** \$1,269.00

8. Payment of Fees

Check in the amount of \$1269.00 (\$1229.00 for basic filing fee plus \$40.00 for assignment recordation filing fee) enclosed.

9.  Authorization to Charge Additional Fees

The Commissioner is hereby authorized to charge any additional fees (or credit any overpayment) associated with this communication and which may be required under 37 CFR § 1.16 or § 1.17 to Account No. 08-1275. An originally executed duplicate of this transmittal is enclosed for this purpose.

10.  Return Receipt Postcard

Dated: October 30, 2003

By:   
Name: Thomas B. Haverstock  
Registration No. 32,571